[Name of Document] Abstract

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[Problem] It is to provide. The present invention relates to an optical component and the like having a structure that can increase the absolute value of the angular dispersion, and also can reduce the temperature dependence of the diffraction angle.

[Solving Means] The prism 20 is composed of a material with a refractive index of n_1, and a material around the diffraction grating element 10 and the prism 20 has a refractive index of n_0. In the case that light of wavelength λ is incident on the diffraction grating element at an incident angle of θ_0, then taking the incident angle with respect to the first surface of the prism to be θ_2, taking the emission angle of the light emitted from the second surface of the prism to be θ_5, taking the temperature coefficient of the diffraction angle in the diffraction grating element to be F_g, taking the temperature coefficient of the emission angle θ_5 of the light emitted from the second surface of the prism, assuming that the incident angle θ_2 of the light incident on the first surface of the prism is fixed regardless of the temperature, to be F_p, and taking the magnification rate of the angular dispersion caused by the prism to be M_p, the relationship "$n_1 > n_0$ AND $|\theta_5| > |\theta_2|$" or "$n_1 < n_0$ AND $|\theta_5| < |\theta_2|$" is satisfied, whilst also satisfying the relationship "$-2M_pF_g < F_p < 0$" or "$-2M_pF_g > F_p > 0$".

[Selected Drawing] Fig. 1